

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081325\
 Data File : VL042854.D
 Acq On : 13 Aug 2025 16:27
 Operator : SY/MD
 Sample : QC080725 CAN10282
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC080725 CAN10282

Quant Time: Aug 14 02:18:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

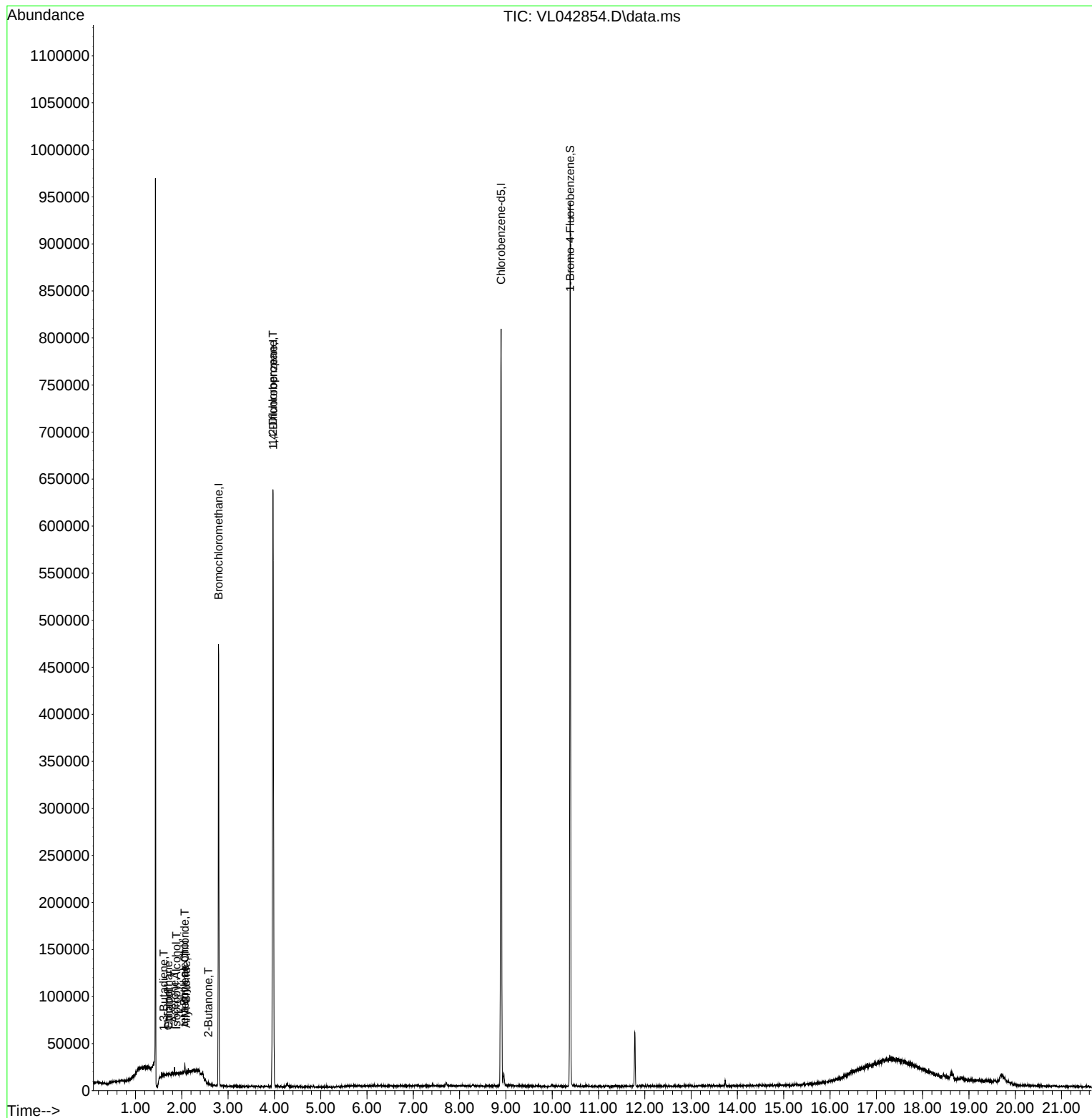
Internal Standards						
1) Bromochloromethane	2.794	49	127975	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	396862	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	338731	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	257543	10.138	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
7) Chloroethane	1.709	64	64	0.022	ppbv #	71
13) Ethanol	1.719	45	289	0.353	ppbv #	32
15) Acetone	1.842	43	2997	0.177	ppbv #	78
16) 1,3-Butadiene	1.612	39	189	0.025	ppbv #	10
17) tert-Butyl alcohol	2.052	59	497	0.025	ppbv #	71
19) Isopropyl Alcohol	1.884	45	324	0.032	ppbv #	34
20) Methylene Chloride	2.065	84	1424	0.201	ppbv	94
21) Allyl Chloride	2.094	41	276	0.023	ppbv #	29
34) 2-Butanone	2.573	43	992	0.037	ppbv	94
39) 1,2-Dichloropropane	3.968	63	98960	7.130	ppbv #	28

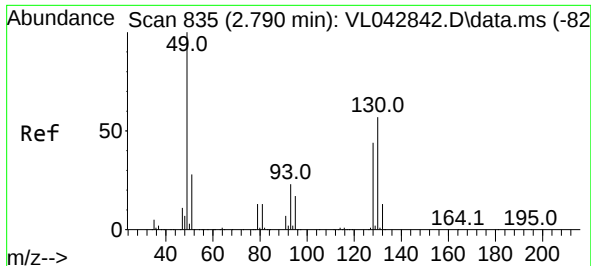
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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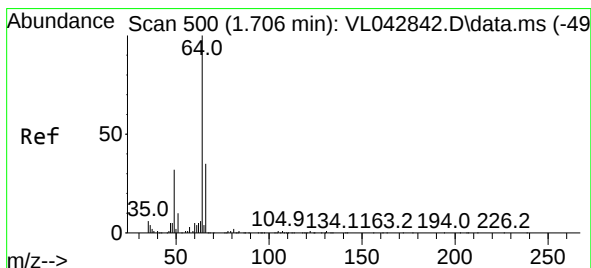
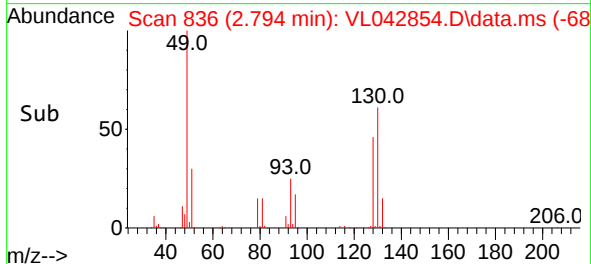
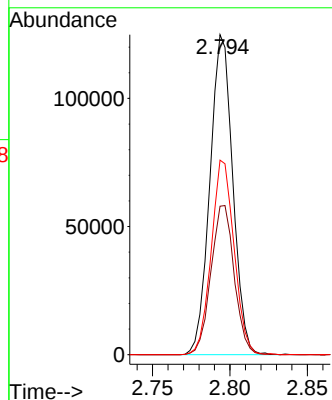
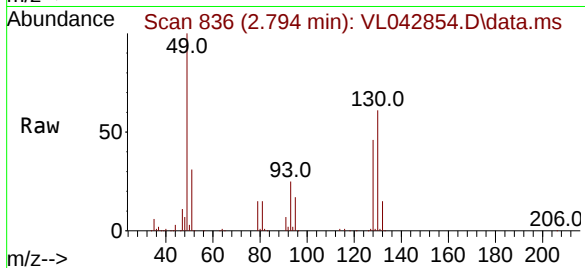




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042854.D
Acq: 13 Aug 2025 16:27

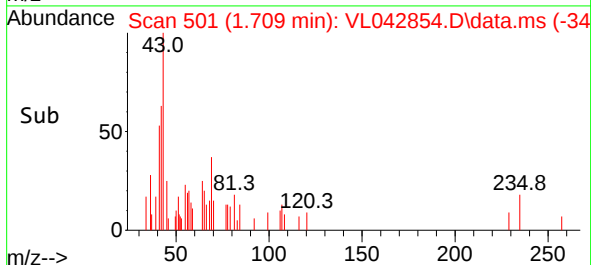
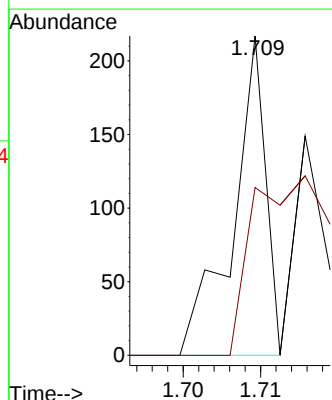
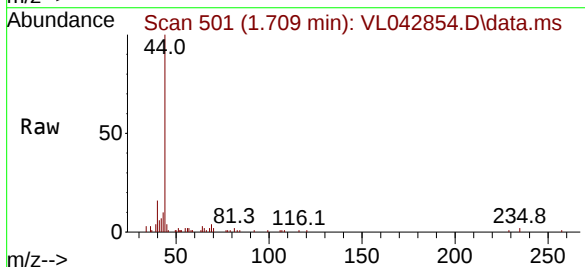
Instrument :
MSVOA_L
ClientSampleId :
QC080725 CAN10282

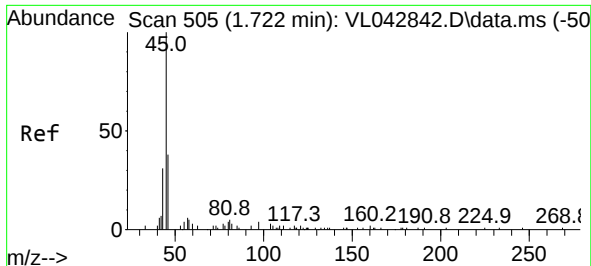
Tgt Ion: 49 Resp: 127975
Ion Ratio Lower Upper
49 100
128 47.5 23.7 71.1
130 60.8 30.6 91.6



#7
Chloroethane
Concen: 0.022 ppbv
RT: 1.709 min Scan# 501
Delta R.T. 0.003 min
Lab File: VL042854.D
Acq: 13 Aug 2025 16:27

Tgt Ion: 64 Resp: 64
Ion Ratio Lower Upper
64 100
66 52.5 28.6 42.8#

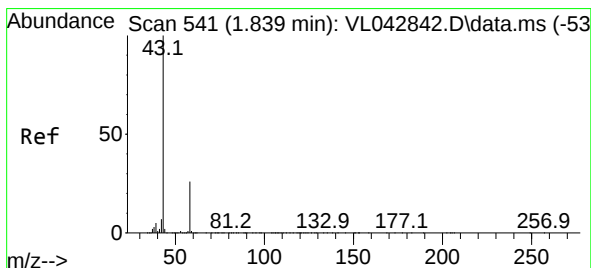
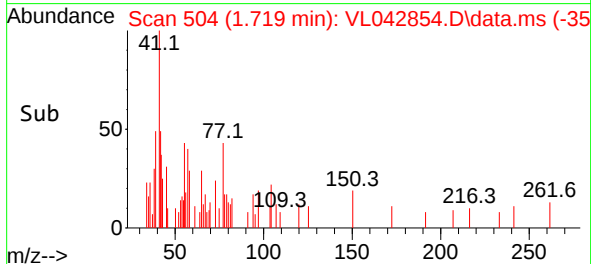
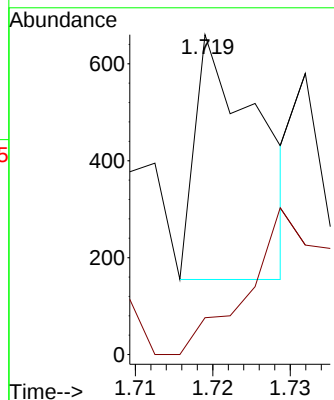
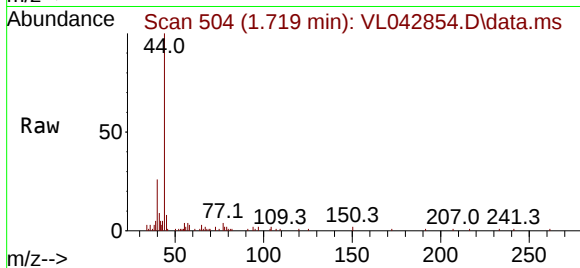




#13
Ethanol
Concen: 0.353 ppbv
RT: 1.719 min Scan# 505
Delta R.T. -0.003 min
Lab File: VL042854.D
Acq: 13 Aug 2025 16:27

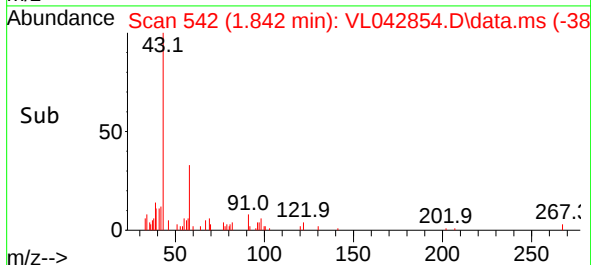
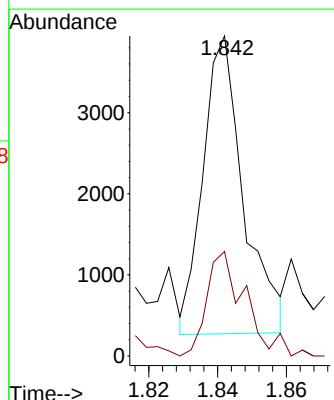
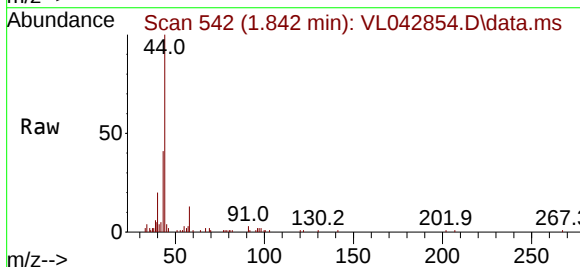
Instrument :
MSVOA_L
ClientSampleId :
QC080725 CAN10282

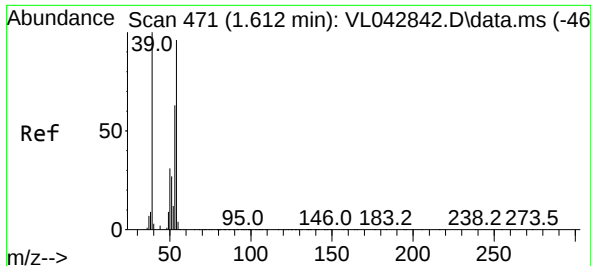
Tgt Ion: 45 Resp: 289
Ion Ratio Lower Upper
45 100
46 0.0 17.5 69.9#



#15
Acetone
Concen: 0.177 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.003 min
Lab File: VL042854.D
Acq: 13 Aug 2025 16:27

Tgt Ion: 43 Resp: 2997
Ion Ratio Lower Upper
43 100
58 39.5 22.4 33.6#

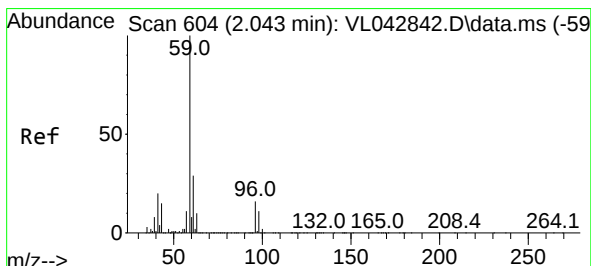
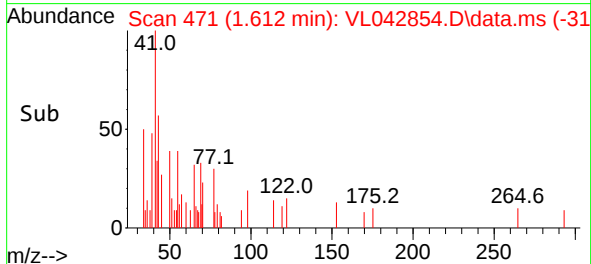
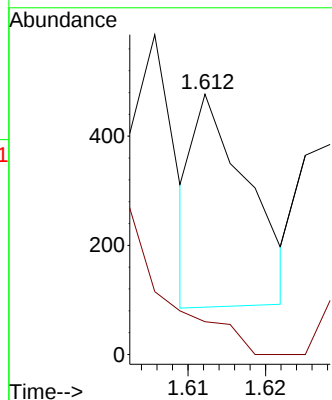
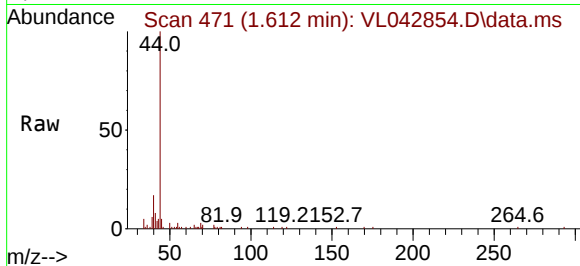




#16
1,3-Butadiene
Concen: 0.025 ppbv
RT: 1.612 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042854.D
Acq: 13 Aug 2025 16:27

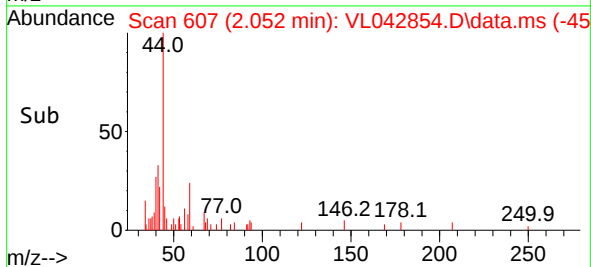
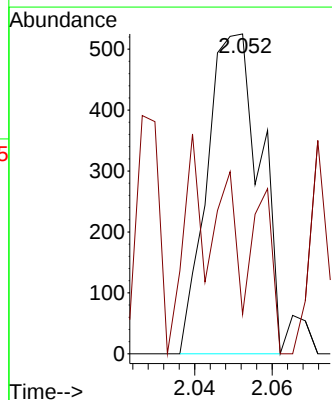
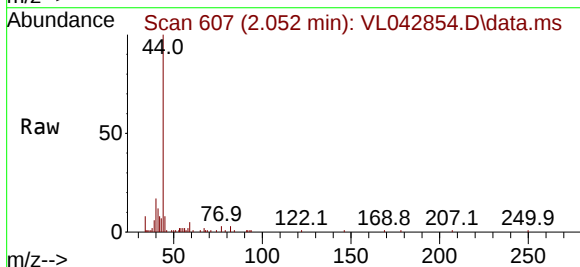
Instrument :
MSVOA_L
ClientSampleId :
QC080725 CAN10282

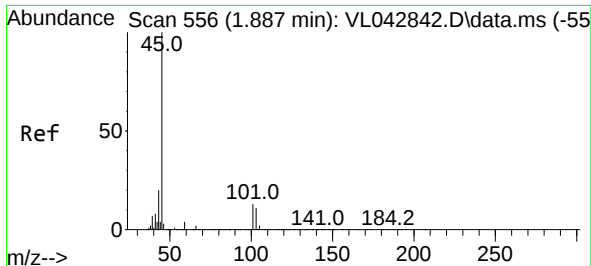
Tgt Ion: 39 Resp: 189
Ion Ratio Lower Upper
39 100
54 0.0 63.6 95.4#



#17
tert-Butyl alcohol
Concen: 0.025 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.010 min
Lab File: VL042854.D
Acq: 13 Aug 2025 16:27

Tgt Ion: 59 Resp: 497
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#





#19

Isopropyl Alcohol

Concen: 0.032 ppbv

RT: 1.884 min Scan# 51

Delta R.T. -0.003 min

Lab File: VL042854.D

Acq: 13 Aug 2025 16:27

Instrument :

MSVOA_L

ClientSampleId :

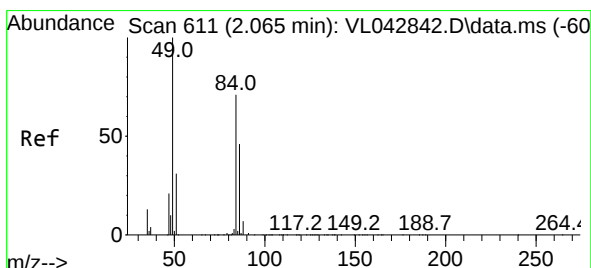
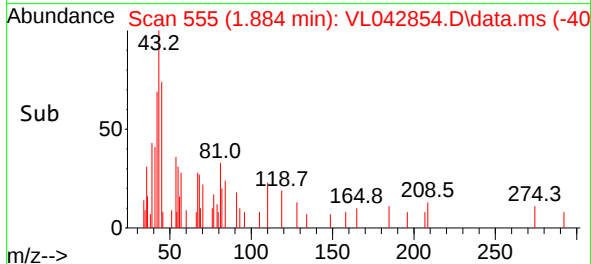
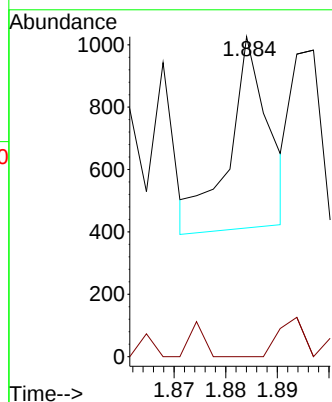
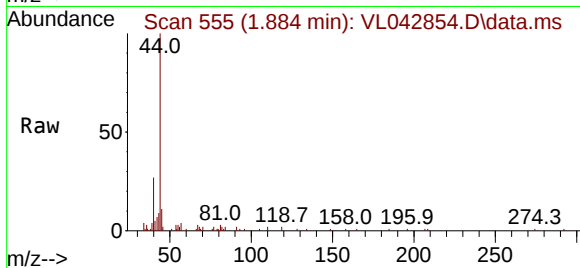
QC080725 CAN10282

Tgt Ion: 45 Resp: 324

Ion Ratio Lower Upper

45 100

58 0.0 32.7 49.1#



#20

Methylene Chloride

Concen: 0.201 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.000 min

Lab File: VL042854.D

Acq: 13 Aug 2025 16:27

Tgt Ion: 84 Resp: 1424

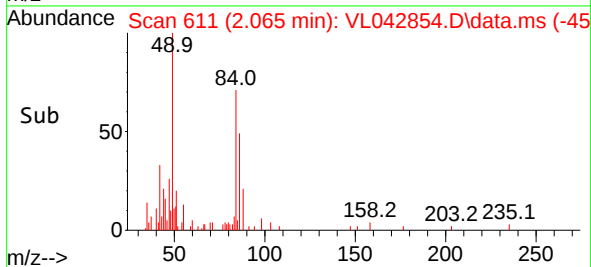
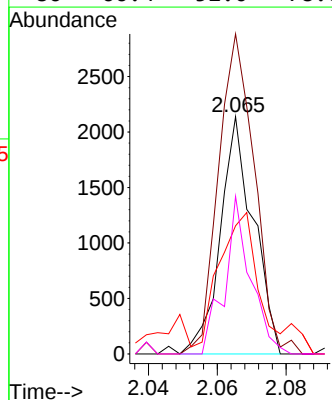
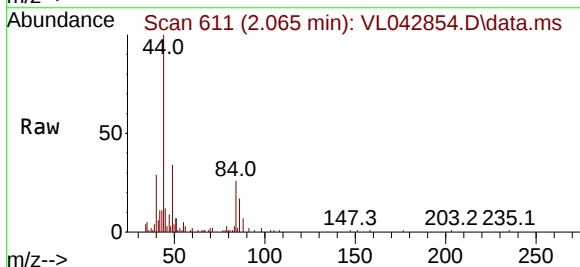
Ion Ratio Lower Upper

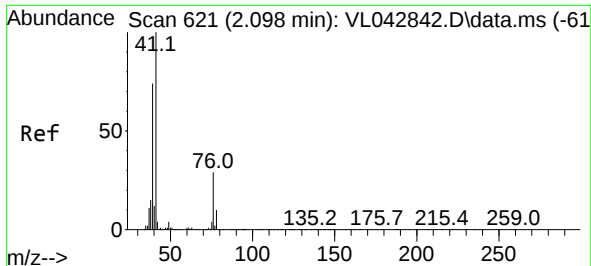
84 100

49 149.3 112.3 168.5

51 48.9 36.0 54.0

86 66.4 52.0 78.0

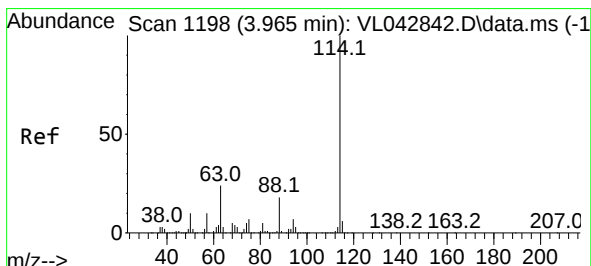
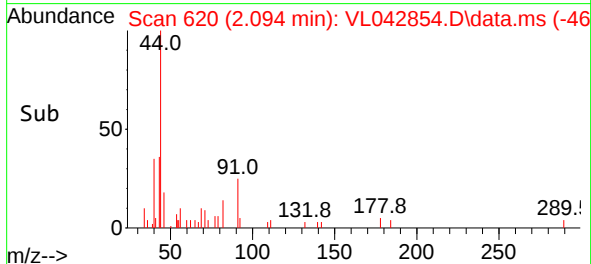
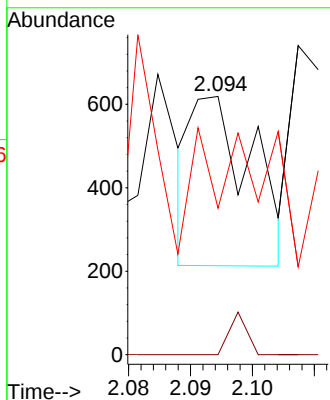
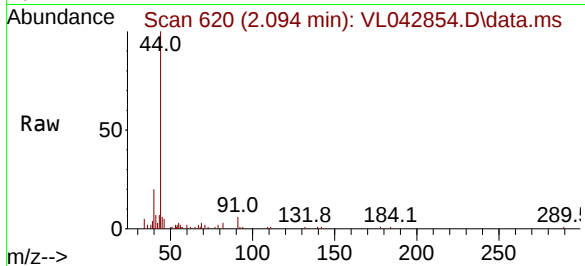




#21
 Allyl Chloride
 Concen: 0.023 ppbv
 RT: 2.094 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042854.D
 Acq: 13 Aug 2025 16:27

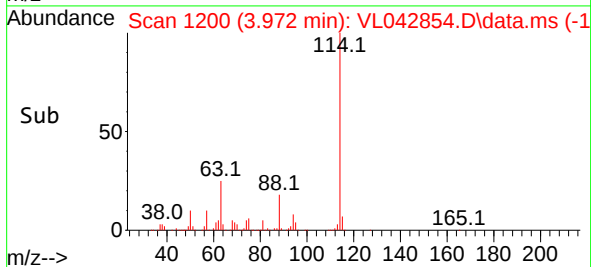
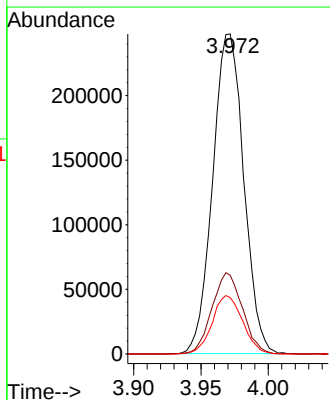
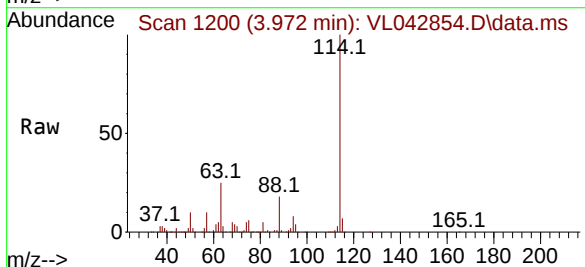
Instrument :
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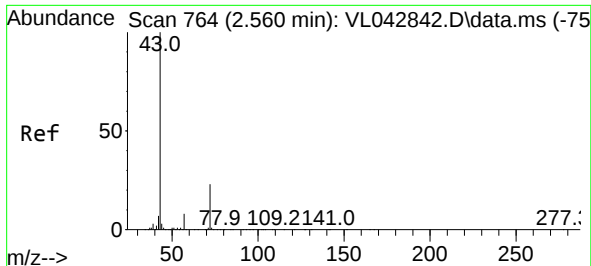
Tgt Ion: 41 Resp: 276
 Ion Ratio Lower Upper
 41 100
 76 11.6 23.9 35.9#
 39 0.0 57.8 86.6#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.972 min Scan# 1200
 Delta R.T. 0.007 min
 Lab File: VL042854.D
 Acq: 13 Aug 2025 16:27

Tgt Ion: 114 Resp: 396862
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.7 29.5
 88 17.9 14.4 21.6

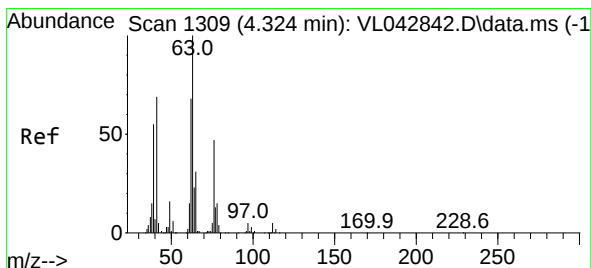
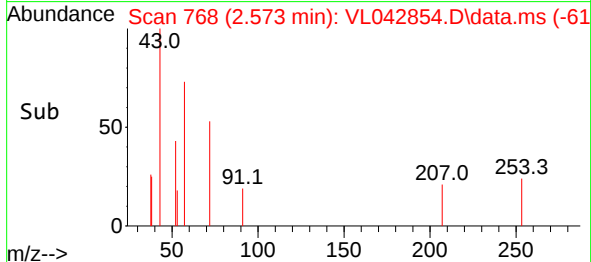
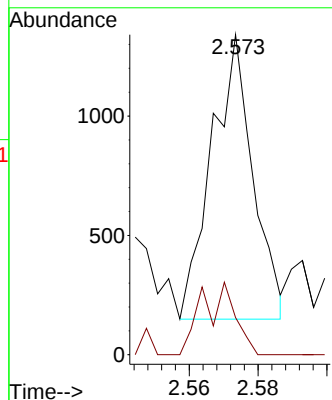
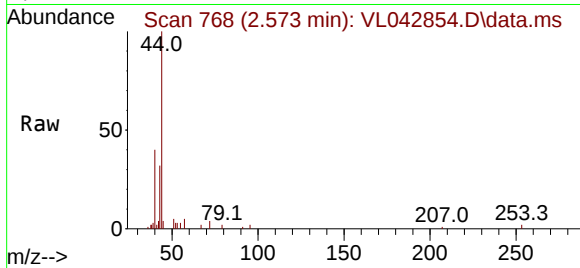




#34
2-Butanone
Concen: 0.037 ppbv
RT: 2.573 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL042854.D
Acq: 13 Aug 2025 16:27

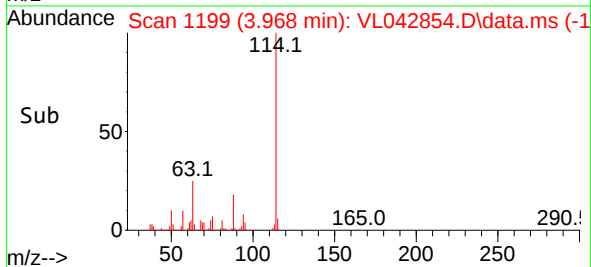
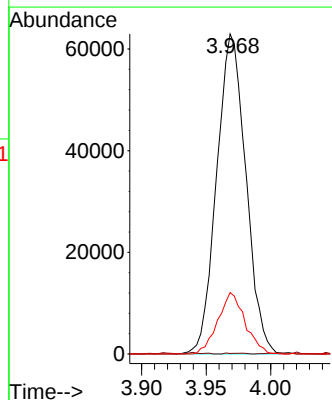
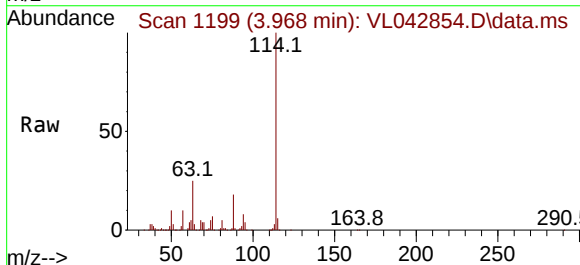
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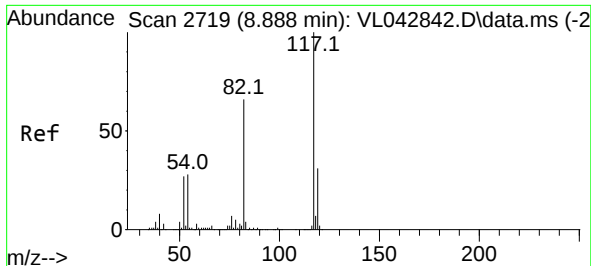
Tgt Ion: 43 Resp: 992
Ion Ratio Lower Upper
43 100
72 20.5 18.6 28.0



#39
1,2-Dichloropropane
Concen: 7.130 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.356 min
Lab File: VL042854.D
Acq: 13 Aug 2025 16:27

Tgt Ion: 63 Resp: 98960
Ion Ratio Lower Upper
63 100
41 0.2 55.0 82.4#
62 19.2 54.4 81.6#

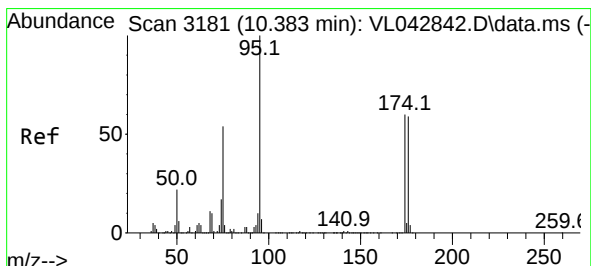
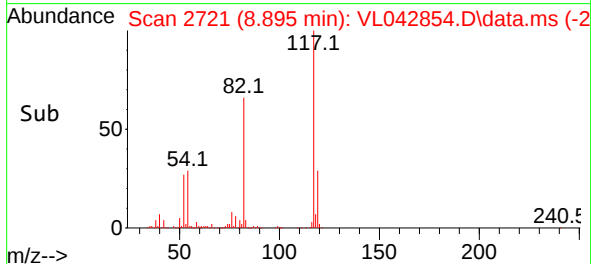
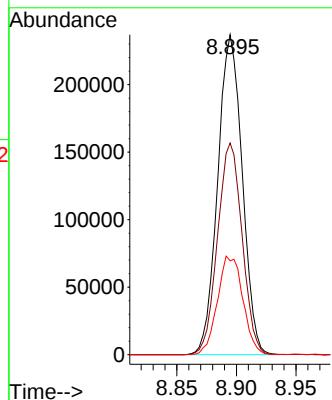
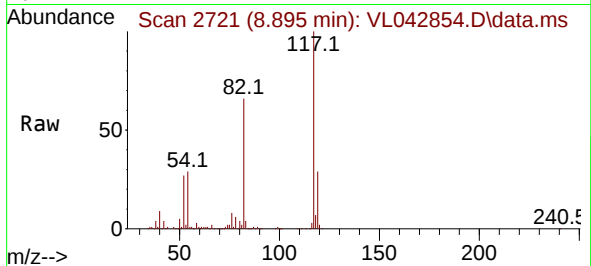




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042854.D
Acq: 13 Aug 2025 16:27

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion:117 Resp: 338731
Ion Ratio Lower Upper
117 100
82 66.4 54.6 81.8
119 32.0 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.138 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.003 min
Lab File: VL042854.D
Acq: 13 Aug 2025 16:27

Tgt Ion: 95 Resp: 257543
Ion Ratio Lower Upper
95 100
174 56.4 48.4 72.6
175 4.3 3.8 5.8

